

DAMAGE SURVEY REPORT (DSR)
Emergency Watershed Protection Program – Recovery

Section 1A

Date of Report: 02/20/2006

DSR Number: 019-05-064R Project Number: _____

NRCS Entry Only

Eligible: YES ☒ NO ☐

Approved: YES ☒ NO ☐

Funding Priority Number (from Section 4) 2ce

Limited Resource Area: YES ☐ NO ☒

Section 1B Sponsor Information

Sponsor Name: Gravity Drainage District 4 Calcasieu Parish

Address: 1204 Lakeshore Dr.

City/State/Zip: Lake Charles, LA, 70601

Telephone Number: (337) 436-6936 Fax: (337) 433-9883

Section 1C Site Location Information

County: Calcasieu State: Louisiana Congressional District: 7

Latitude: 30.26980 Longitude: -93.13462 Section: 24 Township: 9S Range: 8W

UTM Coordinates: _____

Drainage Name: L2 and L2B at Luke Powers Road Reach: 1400 LF (L2 and L2B)

Damage Description: Debris accumulation in channel from Hurricane Rita.

Section 1D Site Evaluation

All answers in this Section must be YES in order to be eligible for EWP assistance.

Site Eligibility	YES	NO	Remarks
Damage was a result of a natural disaster?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Hurricane Rita September 2005
Recovery measures would be for runoff retardation or soil erosion prevention?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Reduce upstream flooding.
Threat to life and/or property?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Threat to private property and local roads.
Event caused a sudden impairment in the watershed?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Debris deposited in the channel restricted the flow of runoff.
Imminent threat was created by this event?**	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Flood damage could occur in the event of major rainfall event, flooding private property and roads.
For structural repairs, not repaired twice within ten years?**	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No repairs
Site Defensibility			
Economic, environmental, and social documentation adequate to warrant action (Go to pages 3, 4, 5 and 6 ***)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See attached documentation
Proposed action technically viable? (Go to Page 9 ***)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See attached documentation

Have all the appropriate steps been taken to ensure that all segments of the affected population have been informed of the EWP program and its possible effects? YES ☒ NO ☐

Comments: Local Gravity Drainage District has been Consulted.

* Statutory

** Regulation

*** DSR Pages 3 through 5 are required to support the decisions recorded on this summary page. If additional space is needed on this or any other page in this form, add appropriate pages.

DSR NO: 019-05-064R

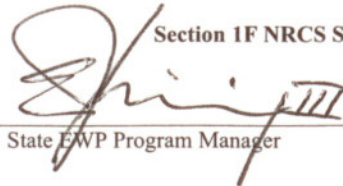
Section 1E Proposed Action

Describe the preferred alternative from Findings: Section 5 A:

Total installation cost identified in this DSR: Section 3: \$ 17,800.00

Section 1F NRCS State Office Review and Approval

Reviewed By:


State EWP Program Manager

Date Reviewed:

2/27/06

Approved By:

State Conservationist

Date Approved:

PRIVACY ACT AND PUBLIC BURDEN STATEMENT

NOTE: The following statement is made in accordance with the Privacy Act of 1974, (5 U.S.C. 552a) and the Paperwork Reduction Act of 1995, as amended. The authority for requesting the following information is 7 CFR 624 (EWP) and Section 216 of the Flood Control Act of 1950, Public Law 81-516, 33 U.S.C. 701b-1; and Section 403 of the Agricultural Credit Act of 1978, Public Law 95334, as amended by Section 382, of the Federal Agriculture Improvement and Reform Act of 1996, Public Law 104-127, 16 U.S.C. 2203. EWP, through local sponsors, provides emergency measures for runoff retardation and erosion control to areas where a sudden impairment of a watershed threatens life or property. The Secretary of Agriculture has delegated the administration of EWP to the Chief or NRCS on state, tribal and private lands.

Signing this form indicates the sponsor concurs and agrees to provide the regional cost-share to implement the EWP recovery measure(s) determined eligible by NRCS under the terms and conditions of the program authority. Failure to provide a signature will result in the applicant being unable to apply for or receive a grant the applicable program authorities. Once signed by the sponsor, this information may not be provided to other agencies. IRS, Department of Justice, or other State or Federal Law Enforcement agencies, and in response to a court or administrative tribunal.

The provisions of criminal and civil fraud statutes, including 18 U.S.C. 286, 287, 371, 641, 651, 1001; 15 U.S.C. 714m; and 31 U.S.C. 3729 may also be applicable to the information provided. According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0578-0030. The time required to complete this information collection is estimated to average 117/1.96 minutes/hours per response, including the time for reviewing instructions, searching existing data sources, field reviews, gathering, designing, and maintaining the data needed, and completing and reviewing the collection information.

USDA NONDISCRIMINATION STATEMENT

"The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202)720-2600 (voice and TDD). To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, SW., Washington, DC 20250-9410, or call (800)795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

Civil Rights Statement of Assurance

The program or activities conducted under this agreement will be in compliance with the nondiscrimination provisions contained in the Titles VI and VII of the Civil Rights Act of 1964, as amended; the Civil Rights Restoration Act of 1987 (Public Law 100-259); and other nondiscrimination statutes: namely, Section 504 of the Rehabilitation Act of 1973, Title IX of the Amendments of 1972, the Age Discrimination Act of 1975, and the Americans with Disabilities Act of 1990. They will also be in accordance with regulations of the Secretary of Agriculture (7 CFR 15, 15a, and 15b), which provide that no person in the United States shall on the grounds of race, color, national origin, gender, religion, age or disability, be excluded from participation in, be denied the benefits of, or otherwise subjected to discrimination under any program or activity receiving Federal financial assistance from the U.S. Department of Agriculture or any agency thereof.

Section 2 Environmental Evaluation

2A Resource Concerns	2B Existing Condition	2C Alternative Designation			
		Proposed Action	No Action	Alternative	
		2D Effects of Alternatives			
Soil					
Water					
Downstream water rights					
Air					
Plant					
Animal					
Other					

DSR NO: _____

Section 2E Special Environmental Concerns

Resource Consideration	Existing Condition	Alternatives and Effects		
		Proposed Action	No Action	Alternative
Clean Water Act Waters of the U.S.				
Coastal Zone Management Areas				
Coral Reefs				
Cultural Resources				
Endangered and Threatened Species				
Environmental Justice				
Essential Fish Habitat				
Fish and Wildlife Coordination				
Floodplain Management				
Invasive Species				
Migratory Birds				
Natural Areas				
Prime and Unique Farmlands				
Riparian Areas				
Scenic Beauty				
Wetlands				
Wild and Scenic Rivers				

Completed By: _____

Date: _____

DSR NO: _____

Section 2F Economic

This section must be completed by each alternative considered (attach additional sheets as necessary).

	Future Damages (\$)	Damage Factor (%)	Near Term Damage Reduction
Properties Protected (Private) one house			
outbuildings			
barn and other buildings			
Properties Protected (Public)			
Luke Powers Road Crossing			
Pujol Road Crossing			
Business Losses			
Other			
Total Near Term Damage Reduction \$			
Net Benefit (Total Near Term Damage Reduction minus Cost from Section 3)			

Completed By: _____ Date: _____

Section 2G Social Consideration This section must be completed by each alternative considered

(attach additional sheets as necessary).

	YES	NO	Remarks
Has there been a loss of life as a result of the watershed impairment?			
Is there the potential for loss of life due to damages from the watershed impairment?			
Has access to a hospital or medical facility been impaired by watershed impairment?			
Has the community as a whole been adversely impacted by the watershed impairment (life and property ceases to operate in a normal capacity)			
Is there a lack or has there been a reduction of public safety due to watershed impairment?			

Completed By: _____ Date: _____

DSR NO: _____

Section 2H Group Representation and Disability Information

This section is completed only for the preferred alternative selected.

Group Representation	Number
American Indian/Alaska Native Female Hispanic	
American Indian/Alaska Native Female Non-Hispanic	
American Indian/Alaska Native Male Hispanic	
American Indian/Alaska Native Male Non-Hispanic	
Asian Female Hispanic	
Asian Female Non-Hispanic	
Asian Male Hispanic	
Asian Male Non-Hispanic	
Black or African American Female Hispanic	
Black or African American Female Non-Hispanic	
Black or African American Male Hispanic	
Black or African American Male Non-Hispanic	
Hawaiian Native/Pacific Islander Female Hispanic	
Hawaiian Native/Pacific Islander Female Non-Hispanic	
Hawaiian Native/Pacific Islander Male Hispanic	
Hawaiian Native/Pacific Islander Male Non-Hispanic	
White Female Hispanic	
White Female Non-Hispanic	
White Male Hispanic	
White Male Non-Hispanic	
Total Group	

Census tract(s) _____

Completed By: _____ Date: _____

Comments: Approximately 128 of the above population are affected only by flood waters impacting road ways in the drainage area.

DSR NO: _____

Section 2I. Required consultation or coordination between the lead agency and/or the RFO and another governmental unit including tribes:

Easements, permissions, or permits:

Mitigation Description:

Agencies, persons, and references consulted, or to be consulted:

DSR NO: _____

Section 3 Engineering Cost Estimate

Completed By: _____ Date: _____

This section must be completed by each alternative considered (attach additional sheets as necessary).

Proposed Recovery Measure (including mitigation)	Quantity	Units	Unit Cost (\$)	Amount (\$)
Total Installation Cost (Enter in Section 1F)\$				

Unit Abbreviations:

AC	Acre	LS	Lump Sum
CY	Cubic Yard	SF	Square Feet
EA	Each	SY	Square Yard
HR	Hour	TN	Ton
LF	Linear Feet		Other (Specify)

DSR NO: _____

Section 4 NRCS EWP Funding Priority

Complete the following section to compute the funding priority for the recovery measures in this application (see instructions on page 10).

Priority Ranking Criteria	Yes	No		Ranking Number Plus Modifier
1. Is this an exigency situation?				
2. Is this a site where there is serious, but not immediate threat to human life?				
3. Is this a site where buildings, utilities, or other important infrastructure components are threatened?				
4. Is this site a funding priority established by the NRCS Chief?				
The following are modifiers for the above criteria			Modifier	
a. Will the proposed action or alternatives protect or conserve federally-listed threatened and endangered species or critical habitat?				
b. Will the proposed action or alternatives protect or conserve cultural sites listed on the National Register of Historic Places?				
c. Will the proposed action or alternatives protect or conserve prime or important farmland?				
d. Will the proposed action or alternatives protect or conserve existing wetlands?				
e. Will the proposed action or alternatives maintain or improve current water quality conditions?				
f. Will the proposed action or alternatives protect or conserve unique habitat, including but not limited to, areas inhabited by State-listed species, fish and wildlife management area, or State identified sensitive habitats?				

Enter priority computation in Section 1A, NRCS Entry, Funding priority number.

Remarks:

DSR NO: 019-05-064R

Section 5A Findings

Finding: Indicate the preferred alternative from Section 2 (Enter to Section 1E):

Remove debris from channel, accessing from one side of channel, dispose of debris in an approved landfill or chip and deposit in floodplain not to exceed 2" in depth.

I have considered the effects of the action and the alternatives on the Environmental Economic, Social; the Special Environmental Concerns; and the extraordinary circumstances (40 CFR 1508.27). I find for the reasons stated below, that the preferred alternative:

☒ Has been sufficiently analyzed in the EWP PEIS (reference all that apply)
Chapter 5.2.2.1.2
Chapter _____
Chapter _____
Chapter _____
Chapter _____

☐ May require the preparation of an environmental assessment or environmental impact statement.
The action will be referred to the NRCS State Office on this date:

NRCS representative of the DSR team

Title: Brian Baiamonte, District Conservationist Date: 02/22/2006

Section 5B Comments:

Section 5C

Sponsor Concurrence:

Sponsor Representative

Michael L. Wittle
Title: Superintendent

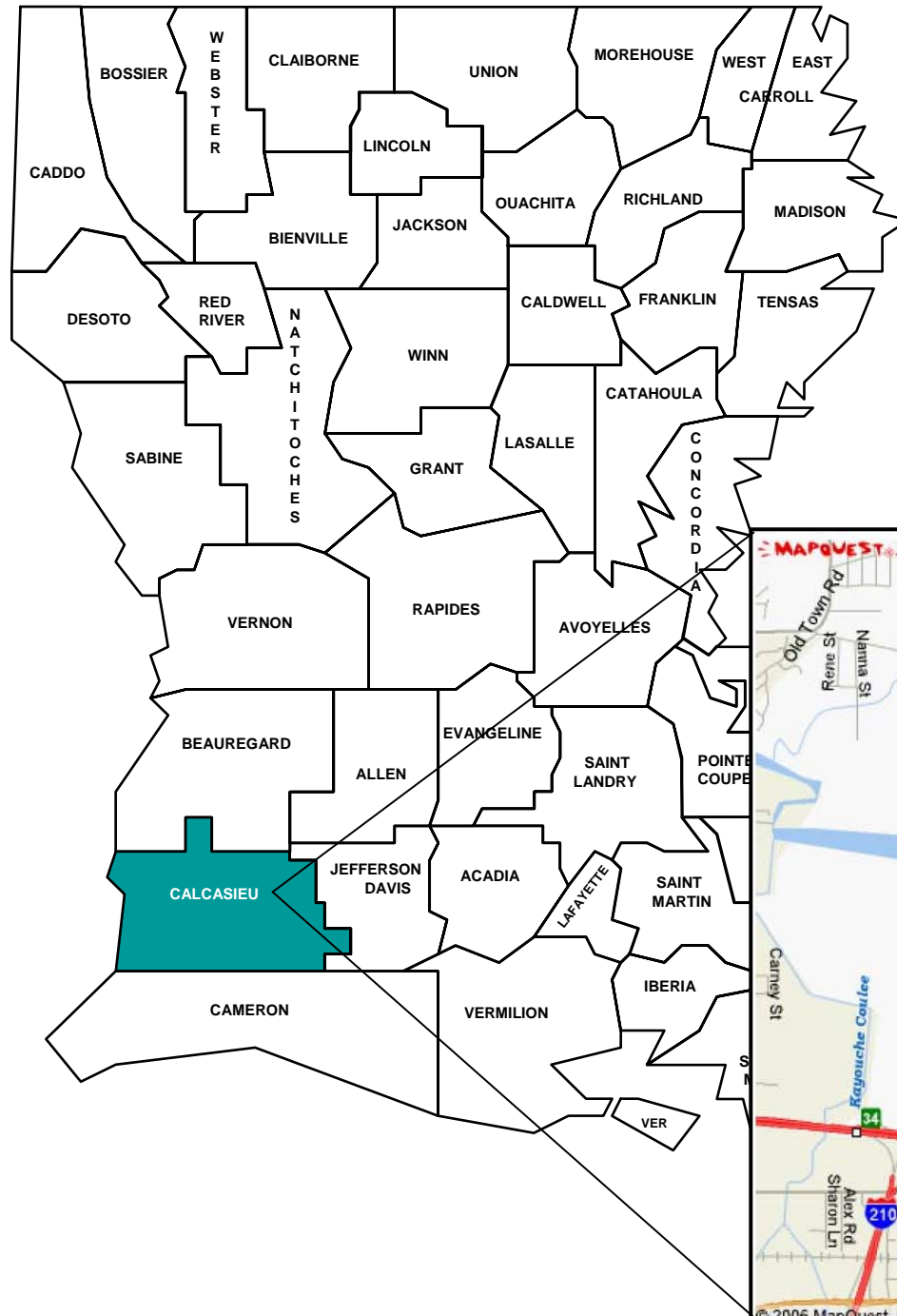
Date: 02/24/06

Section 6 Attachments:

- A. Location Map
- B. Site Plan or Sketches
- C. Other (explain)

SECTION 6

ATTACHMENTS



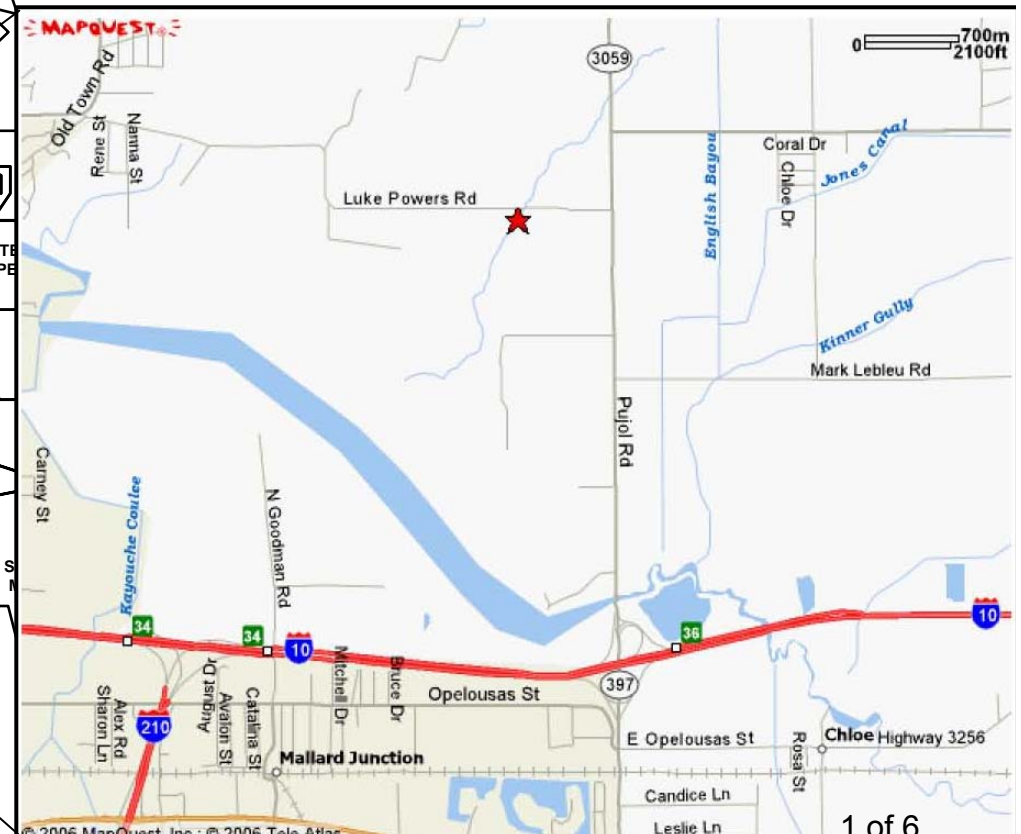
Vicinity Location Map

Calcasieu Parish

DSR# 019-05-064R

L2 & L2B

South of Luke Powers Road

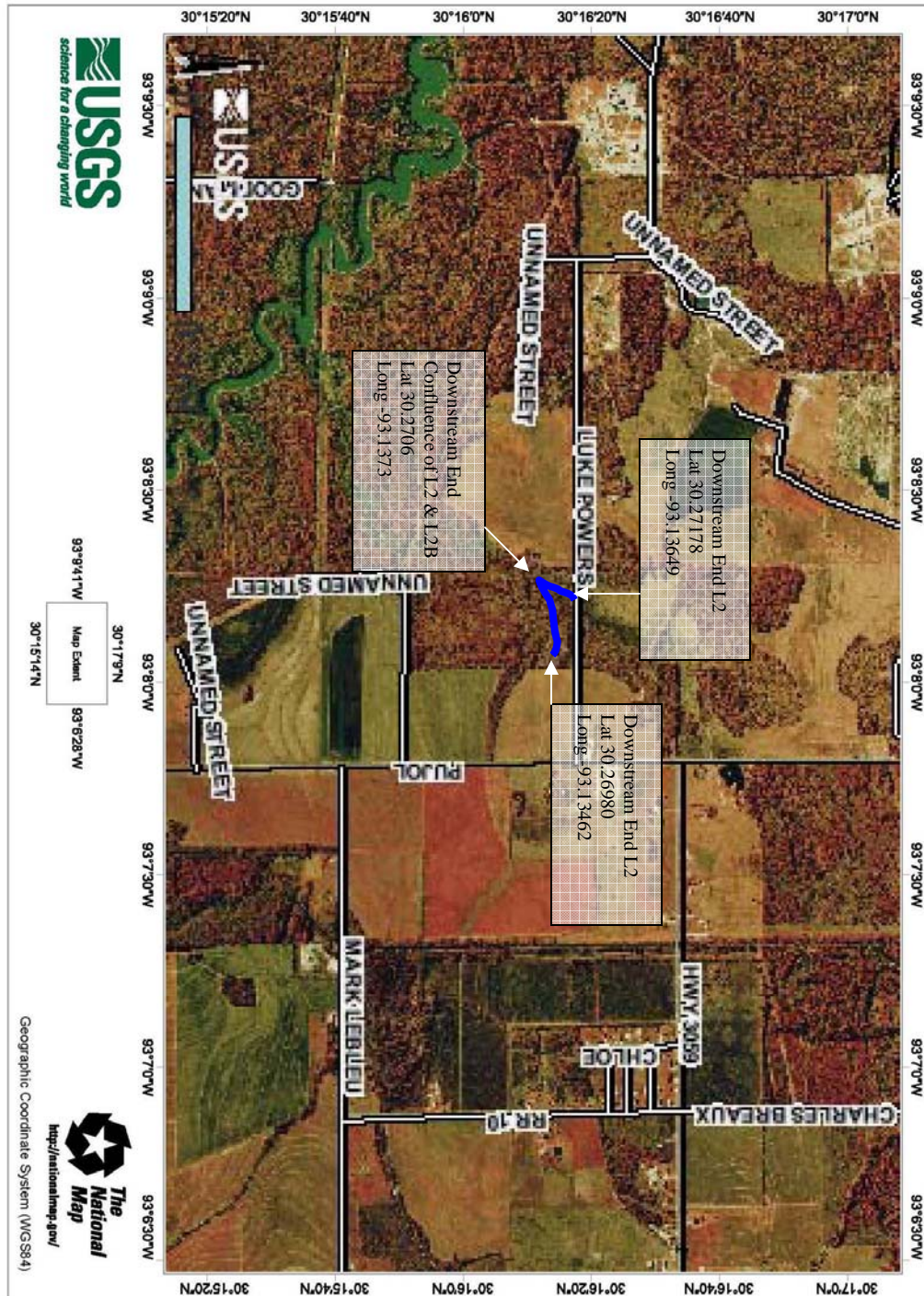


SITE MAP

DSR 019-05-064R

L2 and L2B

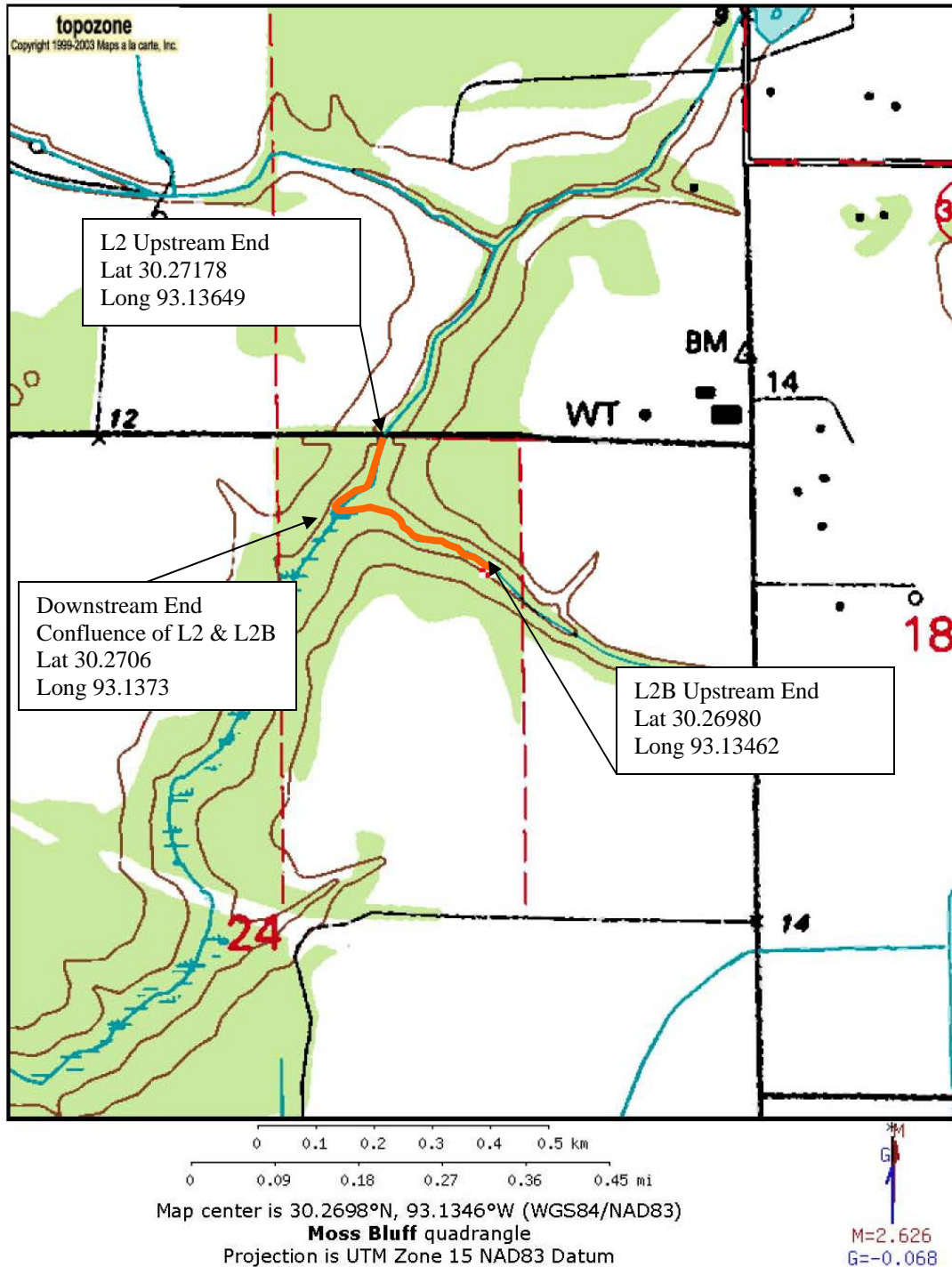
South of Luke Powers Road



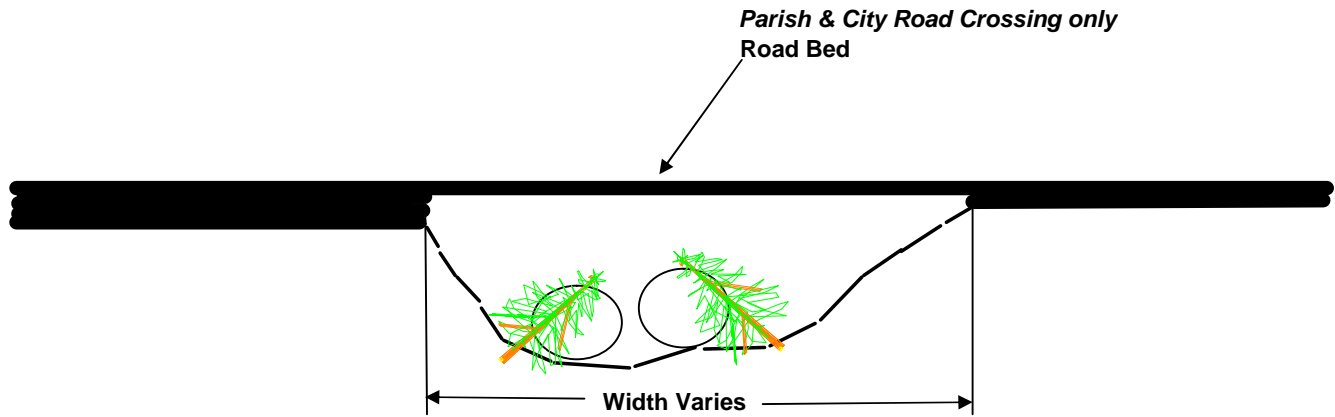
TOPO MAP
DSR 019-05-064R
L2 and L2B
South of Luke Powers Road
Calcasieu Parish

TopoZone - The Web's Topographic Map

Page 1 of 1



Debris Removal



Note: Contract is to remove Debris from upstream and downstream Culverts which includes inside of culverts

Exception: All Crossing which cross State or Federal highways are not included in contract

Typical Road Culvert type Crossing Not to Scale

Notice:
48 Hours Before Digging
Call 1-800-272-3020

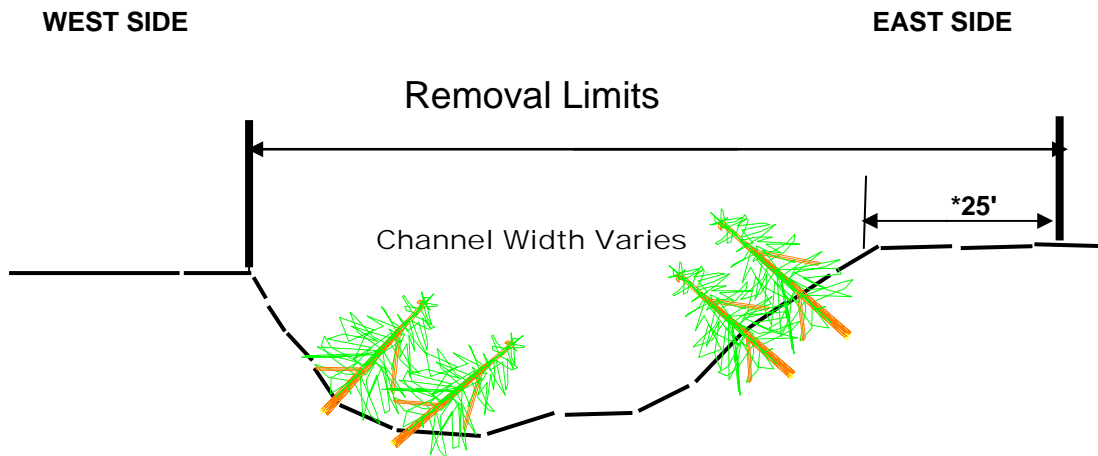
DSR No: 019-05-064R

CHANNEL: L2

PARISH/SPONSOR: Calcasieu / Gravity Drainage District #4

DEBRIS REMOVAL

TYPICAL SECTION REACH L2



Typical Section Not to Scale

Notice:

48 Hours Before Digging

Call 1-800-272-3020

***Note** :Access and work this reach from east side only. All fences removed within the removal limits for access shall be replace with like kind by the contractor. All access routes shall be dressed and left free of tracks or ruts upon completion.

Exception it may be possible that trees which were located outside of the the rightaway may have fallen into the right of way, these trees will be remove which may be located outside of the right of way.

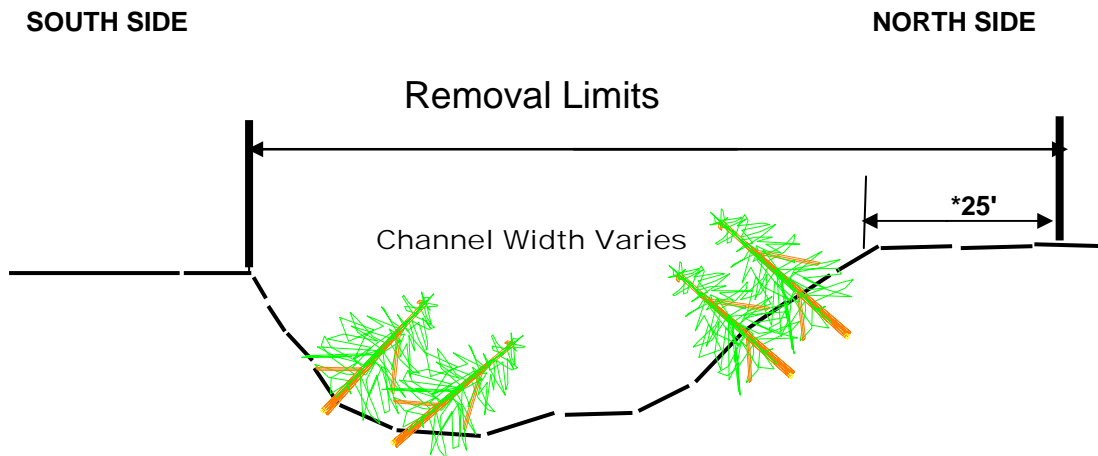
DSR No: 019-05-064R

CHANNEL: L2B

PARISH/SPONSOR: Calcasieu / Gravity Drainage District #4

DEBRIS REMOVAL

TYPICAL SECTION REACH L2B



Typical Section Not to Scale

Notice:
48 Hours Before Digging
Call 1-800-272-3020

***Note :**Access and work this reach from east side only. All fences removed within the removal limits for access shall be replace with like kind by the contractor. All access routes shall be dressed and left free of tracks or ruts upon completion.

Exception it may be possible that trees which were located outside of the the rightaway may have fallen into the right of way, these trees will be remove which may be located outside of the right of way.

DSR No:019-05-064R

Preferred Measure

Section 5 Engineering Cost Estimate Worksheet

Parish:Calcasieu

Channel:L2 & L2B

Location:South of Luke Powers Rd

Completed By:Jason Kroll

Date:20-Feb-06

Type of Work: Debris Removal

Location of Work:

Township(s)

Range(s)

Section(s)

Quadrangle(s)

9s

8w

24

Moss Bluff

L2

L2B

Reach or Channel Seg

Latitude

Longitude

Latitude

Longitude

Latitude

Longitude

Downstream Start:

30.27060

93.13730

30.27060

93.13730

Upstream End:

30.27178

93.13649

30.26980

93.13462

Estimated Length of Work Segment (ft): 1,400 linear feet

Item No.	Proposed Recovery Measure	Quantity	Units	Unit Cost	Amount
1	Mobilization & Demobilization	1	LS	\$5,000.00	\$5,000
2	Channel Obstruction Removal	1,400	LF	\$9.00	\$12,600
3	Seeding, Sprigging and Mulching	1	AC	\$200.00	\$200
4					\$0
5					\$0

Note: Estimated cost of debris removal includes equipment, labor, hauling, and disposal of material.

Total Estimated Construction Cost \$17,800

Performance Time:

Production Rate

Segment Length

Production Time

Contract Time

240 Ft/Day

1,400 Ft

5.83 Days

8 Days

Plus

2 Days Move In

Estimated Cost of Equipment with Labor (Per Revised Costs by BAS 2-9-06)

Description of Work:Medium

Cost per LF

\$9.00

Estimated Cost of Seeding with Labor

Segment Length

Segment Width

No.of Segment

Acres

Cost per Ac

Total Cost

1,400 Ft.

25 Ft.

1

1

\$200

\$200

Comments:

Selected Alternative involves working from one side of the channel with a 25 ft access to the top bank of the opposite side.

Channel Obstruction Evaluation

SITE INFORMATION

Parish: <u>Calcasieu</u>	Site: <u>Luke Powers Road</u>
City: <u>Lake Charles</u>	
Sponsor: <u>Grainy Drainage District 4</u>	Reach: From - <u>Blockage at</u>
Date: <u>2/20/04</u>	To - <u>30.27100 Lat</u>
Evaluation Team: <u>Jason Kroll, Bryant J. J.</u>	<u>1</u> <u>-93.13676 Long</u>

PHOTO NUMBERS AND BRIEF DESCRIPTION

Photo #	Description

WAYPOINTS ^{plus} Reach 2

(CIRCLE location and record in Decimal Degrees)

Start Work (D/S end)	N ^{D/S} <u>30.26980</u> / <u>30.27079</u>
Midstream	
End Work (U/S end)	W <u>93.13462</u> / <u>-93.13702</u>

NEARBY AND UPSTREAM STRUCTURES

(Fill in Numbers, Values, and Size)

CHURCHES		SCHOOLS		PUBLIC FACILITIES	
No. of Churches		No. of Schools		No. of Public Facilities	
HOMESITES		BUSINESSES			
No. of Homesites	<u>1</u>	No. of Businesses			
Average Value of Homes (X \$1,000)	<u>\$130,000</u>	Size of Businesses			
		S M L			

STREAM CROSSINGS

(CIRCLE type and write material, size and length)

TYPE	MATERIAL	NUMBER, SIZE, & LENGTH
Bridge		
Culverts	<u>3</u>	<u>40 inches</u>
Other or None		

UTILITIES

(CHECK the location of the utilities in the area and CIRCLE stream orientation) -

Overhead (Power, Cable, etc.)	U/S	D/S
Buried (Gas, Sewer, water, etc.)	U/S	D/S
Elevated Cross channel (Water, Gas, etc.)	U/S	D/S
Remarks:		

CHANNEL CHARACTERISTICS

(CHECK appropriate box for slope and fill in dimensions information)

SLOPES		DIMENSIONS		FLOW	
Is Water Flowing?					
1.5 : 1 or steeper	Top Width (ft.)	<u>6 ft</u>	YES	NO	
1.5 : 1 through 3 : 1 Slope	Bottom Width (ft.)	<u>5 ft</u>	Is debris accumulating? (i.e. Leaves, Trash)		
Flatter than 3 : 1	Depth (ft.)	<u>3 ft</u>	<u>YES</u>	NO	

STATEMENT OF PROBLEM

(CHECK the boxes as needed, and CIRCLE the size of debris that applies)

DEBRIS	IN CHANNEL	ACROSS CHANNEL	SIZE OF DEBRIS			BLOCKAGE	
Pine Trees						% of X-Section Obstructed:	
Hardwoods	<u> </u>	<u> </u>	Light	<u>Moderate</u>	Heavy	Less than 25%	26%-50%
Shrubs	<u> </u>					<u>51%-75%</u>	76%-100%
Other (explain)							

WORK METHOD AND LOCATION

(CHECK the box that best applies)

Within Channel Floating Equipment (i.e. Barge or Marsh Buggy)	
Within Channel Non - Floating Equipment (Excavator/Track-hoe, Spider, etc)	
From Top Banks	<u> </u>

ACCESS TO SITE

(Explain access issues and possible difficulties)

From Luke Powers Road, from one side of Channel east side on reach 1, and North side on Reach 2.